

## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	4946484
<b>Application Number:</b>	10626420
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	9856
<b>Title of Invention:</b>	Method and apparatus for implementing processor instructions for accelerating public-key cryptography
<b>First Named Inventor/Applicant Name:</b>	Sheueling Chang Shantz
<b>Customer Number:</b>	58467
<b>Filer:</b>	Robert C. Kowert/Dena Poudrier
<b>Filer Authorized By:</b>	Robert C. Kowert
<b>Attorney Docket Number:</b>	6000-32301
<b>Receipt Date:</b>	11-MAR-2009
<b>Filing Date:</b>	24-JUL-2003
<b>Time Stamp:</b>	14:59:15
<b>Application Type:</b>	Utility under 35 USC 111(a)

### Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	\$180
RAM confirmation Number	171
Deposit Account	501505
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)	

## File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Information Disclosure Statement (IDS) Filed (SB/08)	IDS3.pdf	42643	no	8
			0a1570995a1ba004760f40867661d07a69d		
Warnings:					
Information:					
This is not an USPTO supplied IDS fillable form					
2	NPL Documents	A-Compact-Fast-Variable.pdf	171180	no	2
			cb55c5c5a3ae79b10046f93ca081ca0767a0c33		
Warnings:					
Information:					
3	NPL Documents	Additional-ECC-Groups-for-IKE.pdf	703606	no	18
			298131d7ca7a09343c27b412612f004b177413		
Warnings:					
Information:					
4	NPL Documents	A-Fast-Algorithm-for-Computing.pdf	255656	no	4
			374b41b63d0c0c80ca82a73794551b6481b71a8		
Warnings:					
Information:					
5	NPL Documents	A-High-Performance-Reconfigurable-Elliptic.pdf	1235431	no	16
			9758d6339d7d11b051e5c5e0dc0c2d8a602e3		
Warnings:					
Information:					
6	NPL Documents	A-Less-Recursive-Variant.pdf	477104	no	8
			40b0a1c3b1f0d932c35d33e8b48a632953f922c		
Warnings:					
Information:					
7	NPL Documents	An-Energy-Efficient-Reconfigurable-Public-Key.pdf	1264887	no	14
			6aa544b0280c11f0f089b0d61cd5d011b070f418		
Warnings:					
Information:					
8	NPL Documents	An-Implementation-of-Elliptic.pdf	796065	no	10
			70c1668db41c3d31789d5d5a1a13686c1925ee		
Warnings:					
Information:					

9	NPL Documents	A-Practical-Implementation.pdf	965310 aa029a3f91ce9f88ba4d0f5ec8f9d17d6c358639	no	15
<b>Warnings:</b>					
<b>Information:</b>					
10	NPL Documents	Comparing-Elliptic-Curve.pdf	812516 4c7666b8bdc3f954c53810a4420ca24451d7d4d	no	14
<b>Warnings:</b>					
<b>Information:</b>					
11	NPL Documents	Digital-Signature-Standard.pdf	1878846 db64236dc11239435a73d654d26c7f669f18a	no	76
<b>Warnings:</b>					
<b>Information:</b>					
12	NPL Documents	ECC-Cipher-Suites-for-TLS-031501.pdf	834279 9d5f1caec4bb23d97ab8c68a92d951719eaf38f7	no	22
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13	NPL Documents	ECC-Cipher-Suites-for-TLS.pdf	897679 ab42e7b36a267d2cc4f93003d6c516181f996c2	no	32
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14	NPL Documents	Efficient-Algorithms-for-Elliptic-Curve-Cryptosystems.pdf	842966 4f3f3c3f16052b4158c32797684d0c7b348b966	no	16
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15	NPL Documents	Elliptic-Curve-Cryptography.pdf	1750123 ed6e64c31dffc19d3d08272ec5bdc8e9a896a	no	22
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<b>Information:</b>					
16	NPL Documents	Elliptic-Curve-Cryptosystems.pdf	535310 db192c1d6ca804c528ba89fc73ebdd13d3cd38ca	no	8
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17	NPL Documents	Exponential-Cryptosystems.pdf	1031564 2af5d530b13d3c1099f8f36c1f6dc163846b40	no	13
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18	NPL Documents	Fast-Key-Exchange.pdf	1575010 209064ab6546c5e97001576c33a7d0d9af6cb	no	14
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19	NPL Documents	Fast-Multiplication-on-Elliptic-Curves.pdf	689314 86e1db06679754a564708736e946744a8e4609	no	12
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20	NPL Documents	From-Euclids-GCD-to-Montgomery.pdf	542033 bc8b7e2e794c204d0c642b2c14aee79077713	no	14
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21	NPL Documents	Generalizations-of-the-Karatsuba-Algorithm.pdf	736556 4e689b70ec81d1f882a3c0303ba2ba1e0c1865	no	24
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22	NPL Documents	Guide-To-Elliptical-Curve-Cryptography.pdf	3711315 606c261296737e4895c7152bb2e93292eef4662	no	57
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23	NPL Documents	High-Radix.pdf	449413 08e913b893bb7c72596b6d6b944ee958e3db2279	no	6
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24	NPL Documents	Incomplete-Reduction.pdf	510750 769e6eb2321374db321747e89ab763a79cc8b	no	8
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25	NPL Documents	Low-Energy-Digit-Serial-Parallel-Finite.pdf	969608 3313b1ba1d3240e46137ab6418a6e5e1a770d89	no	18
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26	NPL Documents	Mastrovito-Multiplier.pdf	932278 a94a83967000b6c78e12c3c3e3a08d6c923	no	16
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27	NPL Documents	Rapid-Prototyping.pdf	471348 #11bfa11ee5e3448f1d13bed15ed3bfc472	no	6
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<b>Information:</b>					
28	NPL Documents	Reconfigurable-implementation.pdf	602384 3b39ca3b36372a88b45f78bf0b15d5d4a3b09	no	8
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<b>Information:</b>					
29	NPL Documents	RFC-2246-on-The-TLS-Protocol.pdf	3045563 34b378b6100bdc284f246483c1c4201315d85	no	82
<b>Warnings:</b>					
<b>Information:</b>					
30	NPL Documents	Speeding-Up-Secure-Web.pdf	751639 e7d5d0fcd3709d929c7b73be83391b31d58cd011	no	9
<b>Warnings:</b>					
<b>Information:</b>					
31	NPL Documents	Standards-for-Efficient-Cryptography.pdf	1923644 65d738d58638c13c3e7c281378fb4d07809477c	no	52
<b>Warnings:</b>					
<b>Information:</b>					
32	NPL Documents	TWIRL.pdf	370110 488d34c5e4ee732b8b056ff6a08c3fcd55d4d8	no	5
<b>Warnings:</b>					
<b>Information:</b>					
33	NPL Documents	Use-of-Elliptic-Curves.pdf	547568 1499b326e6d9b49191a53cdcd067f6e7eadd8	no	10
<b>Warnings:</b>					
<b>Information:</b>					
34	Fee Worksheet (PTO-06)	fee-info.pdf	30028 d26d0bced207ba86d77a5d949ccca26125ef	no	2
<b>Warnings:</b>					
<b>Information:</b>					
<b>Total Files Size (in bytes):</b>			32353726		

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**New Applications Under 35 U.S.C. 111**

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

**National Stage of an International Application under 35 U.S.C. 371**

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

**New International Application Filed with the USPTO as a Receiving Office**

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.